

W. T. F. I.

AGENDA COVER MEMO

Date: December 17, 2003
TO: Lane County Board of Commissioners
DEPARTMENT: Lane County Sheriff's Office
PRESENTED BY: Captain Bret Freeman

AGENDA ITEM TITLE: IN THE MATTER OF AWARDING A CONTRACT TO MOTOROLA INC. TO PURCHASE DISPATCH RADIO EQUIPMENT IN THE AMOUNT OF \$332,057.08.

I. MOTION

MOVE APPROVAL OF BOARD ORDER NO. _____ IN THE MATTER OF AWARDING A CONTRACT TO MOTOROLA INC. TO PURCHASE DISPATCH RADIO EQUIPMENT IN THE AMOUNT OF \$332,057.08.

II. ISSUE OR PROBLEM

In order for the County to accept the contract with Motorola, Inc., for the dispatch equipment, maintenance and replacement, the Board needs to award the contract and delegate authority to the County Administrator to execute the contract documents.

III. DISCUSSION

A. Background

The dispatch center radio equipment system was built in the early 1970's and was engineered based on 1950 & 60's technology. Some equipment replacement has kept the basic mechanisms operating, but not provided the functionality required for today's law enforcement needs. This procurement recommendation does not improve that lot, rather it maintains existing systems because no capital exists for anything additional.

The hardware that dispatchers use to operate the radio system was procured in the early 1980's. Software was modernized during the Y2K crisis to ensure computer reliability. The \$100,000 upgrade in 1999 was sole-sourced, and today's recommendation is a continuation of that upgrade.

Basically, radio equipment suffers from three potential killers – heat, movement and access by humans. The operating systems are secured preventing unauthorized personnel from inadvertent manipulation. The power supplies are still the original 1980's equipment, contained in a Central Electronics Bank (CEB.) These transformers have now entered their third decade of service and are subject to failure. Additionally, these power supply modules are no longer manufactured, meaning failure will require modification or remanufacture of the CEB. Movement brings significant risk of damage to heat-aged circuit boards, wiring and connections.

Law enforcement requires secure communications capabilities, which we achieve through encryption software. When the County purchased the 1970's system, encryption was a proprietary option available

only from the Motorola vendor. The County's need for encryption is even greater today, but the referenced lack of capital hampers our ability to explore many options.

Any changes to our system are required to be compatible with the existing hardware and software to allow encrypted exchange to occur. Selection of a vendor other than Motorola would require total replacement of mobile radios (100+ units,) portable radios (120 units,) 11 mountain top repeater stations, 11 dispatch transceivers mounted on the courthouse roof, and the dispatch hardware and software. This expense, extrapolated from a 2002 ROM, would exceed \$25 Million.

B. Analysis

Lane County, in conjunction with the AIRS consortium, has selected a computer aided dispatch and records solution that requires a 100% increase in the workspace for dispatching. The number of computer monitors required to perform the functions of a modern communications/dispatch center drives this. The Sheriff has processed this issue with County Administration and the Board of County Commissioners and received authorization to remodel space within the courthouse/Sheriff's Office confines to accommodate the need. This facility change includes moving the CEB and increasing the number of workstations with radio access.

C. Alternatives/Options

1. Adopt the Order to accept and execute the contract.
2. Reject the Order and do not accept the contract.

D. Recommendations

The Sheriff's Office recommends the Board approve the Order to facilitate the dispatch remodel and installation of radio equipment.

E. Timing

The timeline for the dispatch remodel project is very specific. The radio equipment contract needs to be executed by December 19, 2003 in order for this vitally important phase of the AIRS conversion project to be completed in time.

IV. IMPLEMENTATION

Upon acceptance of the Board Order, the contract will be executed with Motorola, Inc. This will allow the radio equipment to be installed by February 12, 2004. The AIRS Conversion installation will occur on February 19, 2004.

V. ATTACHMENTS

1. Proposed Board Order No. _____
2. Sole Source Memorandum

IN THE BOARD OF COUNTY COMMISSIONERS, LANE COUNTY OREGON

ORDER NO. _____

)IN THE MATTER OF AWARDING A
)CONTRACT WITH MOTOROLA, INC. TO
)PURCHASE DISPATCH RADIO EQUIPMENT
)IN THE AMOUNT OF \$332,057.08

WHEREAS, the Lane County Sheriff's Office dispatch system was deemed in need of a technical upgrade because of the AIRS Conversion project, and

WHEREAS, the Sheriff has processed this issue with County Administration and the Board of County Commissioners and received authorization to remodel space and purchase new equipment within the courthouse/Sheriff's Office facility to accommodate the need, and

WHEREAS, the existing hardware used to operate the radio system was procured in the early 1980's, and

WHEREAS, a communications upgrade in 1999 was sole-sourced, and today's recommendation is a continuation of that upgrade, and

WHEREAS, compatible equipment to maintain secure, encrypted communications ability is only available from Motorola, Inc. for replacement/modification in the dispatch, and

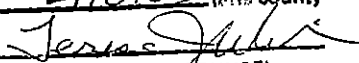
WHEREAS, both the Sheriff and the Management Services Director recommend Motorola as a sole source vendor to provide the equipment replacement/modification in the dispatch center remodel, and

WHEREAS, Motorola continues to be the major provider of public safety communications systems;

NOW THEREFORE IT IS HEREBY ORDERED, that a contract be executed in accordance with this Order and the County Administrator be delegated the authority to sign the contract, subject to legal review.

Dated this _____ day of December, 2003.

APPROVED AS TO FORM

Date 12/10/03 Lane County

OFFICE OF LEGAL COUNSEL

Peter Sorenson, Chair,
Lane County Board of Commissioners

MEMORANDUM
LANE COUNTY SHERIFF'S OFFICE
Police Services Division



TO: Jan Clements, Sheriff
David Suchart, Management Services Director

FROM: Jennifer Powell, Communications/Records Supervisor *Jennifer Powell*

DATE: October 20, 2003

**SUBJECT: SOLE SOURCE REQUEST FOR COMMUNICATION CENTER
EQUIPMENT MAINTENANCE AND REPLACEMENT**

Request: We are seeking to procure needed dispatch radio equipment in completing the BCC authorized remodel. The estimated cost of the equipment (\$300,000) requires a bidding process or authorization for a "sole source" vendor as provided in the Lane Manual 20.140(1) & (2). This memorandum recommends approval of sole source designation based on the unique procurement needs of the county.

Background: Staff are suitably briefed on the overall state of the Sheriff's radio system. The system, built in the early 1970's, was engineered based on 1950 & 60's technology. Some equipment replacement has kept the basic mechanisms operating, but not provided the functionality required for today's law enforcement needs. This procurement recommendation does not improve that lot, rather it maintains existing systems because no capital exists for anything additional.

The hardware that dispatchers use to operate the radio system was procured in the early 1980's. Software was modernized during the Y2K crisis to ensure computer reliability. The \$100,000 upgrade in 1999 was sole-sourced, and today's recommendation is a continuation of that upgrade.

Basically, radio equipment suffers from three potential killers – heat, movement and access by humans. The operating systems are secured preventing unauthorized personnel from inadvertent manipulation. The power supplies are still the original 1980's equipment, contained in a Central Electronics Bank (CEB.) These transformers have now entered their third decade of service and are subject to failure. Additionally, these power supply modules are no longer manufactured, meaning failure will require modification or remanufacture of the CEB. The third element – movement – brings significant risk of damage to heat-aged circuit boards, wiring and connections.

Law enforcement requires secure communications capabilities, which we achieve through encryption software. When the Sheriff purchased the 1970's system, encryption was a proprietary option available only from the Motorola vendor. Our need for encryption is even greater today, but the referenced lack of capital hampers our ability to explore many options.

SOLE SOURCE, COMMUNICATION CENTER EQUIPMENT MAINTENANCE AND REPLACEMENT

October 21, 2003

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Any changes to our system are required to be compatible with the existing hardware and software to allow encrypted exchange to occur. Selection of a vendor other than Motorola would require total replacement of mobile radios (100+ units,) portable radios (120 units,) 11 mountain top repeater stations, 11 dispatch transceivers mounted on the courthouse roof, and the dispatch hardware and software. This expense, extrapolated from a 2002 ROM, would exceed \$25 Million.

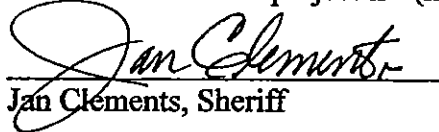
Today's Issue:

Lane County, in conjunction with the AIRS consortium, has selected a computer aided dispatch and records solution that requires a 100% increase in the workspace for dispatching. This is basically driven by the number of computer monitors required to perform the functions of a modern communications center. The Sheriff has processed this issue with County Administration and the Board of County Commissioners and received authorization to remodel space within the courthouse/Sheriff's Office confines to accommodate the need. This facility change includes moving the CEB and increasing the number of workstations with radio access.

Recommendation:

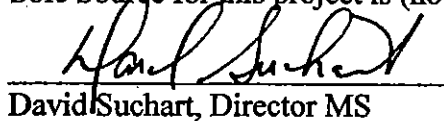
With no other solution available to maintain secure, encrypted communications ability, we are recommending Motorola as a sole source vendor to provide the equipment replacement/modification in the communications center remodel.

Sole Source for this project is (not/Approved) for this project.


Jan Clements, Sheriff

10/22/03
Date

Sole Source for this project is (not/Approved) for this project.


David Suchart, Director MS

10/22/03
Date